

ABSTRACT

An agent for fixing (a) substance(s), which can fix various substances to be fixed on a substrate via covalent bonds and which has an excellent effect for the prevention of non-specific adsorption is disclosed. A polymer containing a plurality of phosphorylcholine groups and photoreactive groups in one molecule is used. The polymer binds to the substrate and to the substance to be fixed via the photoreactive groups, thereby the substance to be fixed is bound to the substrate via covalent bonds through the polymer, and non-specific adsorption is effectively prevented by the phosphorylcholine groups. Further, an agent for fixing (a) substance(s) for fixing the substance on a substrate, comprising a nonionic water-soluble macromolecule having at least 2 photoreactive groups in one molecule was also provided.